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Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Re: U.S. Patent Application No.: 10/757616  
For: METHODS FOR DRUG DISCOVERY, DISEASE  
TREATMENT, AND DIAGNOSIS USING METABOLOMICS  
Inventors: Kaddurah-Daouk, Rima *et al.*  
Filed: January 13, 2004  
Our Ref. No.: MBZ-001CN

Dear Sir:

I enclose herewith for filing in the above-identified application the following:

1. Information Disclosure Statement;
2. PTO Form 1449;
3. Copies of selected references cited in PTO Form 1449 (15); and
4. A copy of the European Search Report; and
5. A Return Postcard.

No additional costs are believed to be due in connection with the filing of this Information Disclosure Statement. However, please charge any necessary fees in connection with the enclosed statement to our Deposit Order Account No. 12-0080. For this purpose, a duplicate of this sheet is attached.

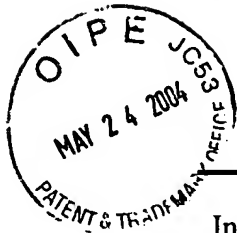
I hereby certify that this correspondence is deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450:

5/21/04  
Date

Elizabeth A. Hanley, Esq., Reg. No. 33,505

Respectfully submitted,  
LAHIVE & COCKFIELD, LLP

Elizabeth A. Hanley, Esq.  
Registration No. 33,505  
Attorney for Applicants



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Kaddurah-Daouk, Rima *et al.*

Serial No.: 10/757616

Filed: January 13, 2004

For: METHODS FOR DRUG DISCOVERY,  
DISEASE TREATMENT, AND DIAGNOSIS  
USING METABOLOMICS

Attorney Docket No.: MBZ-001CN

Group Art Unit: 1634

Examiner: Not Yet Assigned

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Certificate of First Class Mailing (37 CFR §1.8(a))

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on the date set forth below.

5/24/04  
Date of Signature and of Mail Deposit

By:

Elizabeth A. Hanley, Esq.  
Registration No. 33,505  
Attorney for Applicants

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Applicants and their Attorney are aware of the following patents, publications or other information, which are cited on the attached PTO Form 1449, and in accordance with 37 CFR §1.97 hereby submit these publications for the Examiner's consideration.

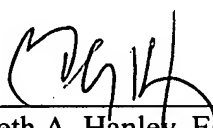
The present application is a Continuation Application of U.S. Serial No. 09/835119, filed April 13, 2001 (Atty. Docket No. MBZ-001). The majority of the references listed on the enclosed PTO Form 1449 have been previously cited by or submitted to the Office in the prior application and, in accordance with 37 CFR §1.98(d), copies of reference ID Nos. A2-A3, A5-A7, A9, A11-A17, A19, A21-B8,

B10-B11, B13-B32, and C8-C10 are not enclosed, but will be provided upon request. Reference ID Nos. B9 and B12 were cited in a European Search Report during the prosecution of EP 01937180 dated May 26, 2003 which corresponds to the above referenced application. B9, B12 and the remaining references have not been previously cited and are enclosed herewith along with a copy of the Search Report.

This statement is not to be interpreted as a representation that the cited publications are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any publication herein be construed *per se* as a representation that such publication is prior art. Moreover, Applicants understand that the Examiner will make an independent evaluation of the cited publications.

Under 37 C.F.R. § 1.97(b)(3), no additional costs are believed to be due in connection with the filing of this disclosure. If, however, a first Office Action on the merits issues in this application bearing a mailing date prior to the date of this Information Disclosure Statement, please charge the appropriate fee as required under 37 CFR §1.17(p) to our Deposit Order Account No. 12-0080.

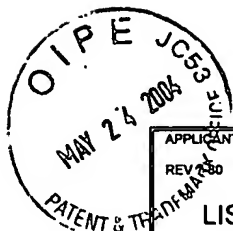
Respectfully submitted,  
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APPLICANT FACSIMILE OF FORM PTO-1449 REV. 1-80	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO <b>MBZ-001CN</b>	SERIAL NO. <b>10/757616</b>
LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT <b>Kaddurah-Daouk, R. et al.</b>	
		FILING DATE <b>January 13, 2004</b>	GROUP <b>1634</b>

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	4,511,659	04/85	Matson	436	150	
	A2	4,863,873	09/89	Matson	436	63	
	A3	5,104,639	04/92	Matson	424	2	
	A4	5,541,310	07/96	Ward et al.	536	23.6	
	A5	5,565,323	10/96	Parker et al.	435	6	
	A6	5,824,467	10/98	Mascarenhas	435	4	
	A7	5,977,083	11/99	Burcoglu	514	44	
	A8	6,004,755	12/99	Wang	435	6	
	A9	6,087,090	07/00	Mascarenhas	435	4	
	A10	6,168,933 B1	01/01	Kaser et al.	435	91.1	
	A11	6,190,858 B1	02/01	Persaud et al.	435	4	
	A12	6,194,217 B1	02/01	Matson	436	63	
	A13	6,210,970 B1	04/01	Matson	436	64	
	A14	6,218,117 B1	04/01	Herrnstadt et al.	435	6	
	A15	6,258,605 B1	07/01	Chace	436	86	
	A16	6,303,365 B1	10/01	Martin et al.	435	252.3	
	A17	6,319,668 B1	11/01	Nova et al.	435	6	
	A18	6,326,163 b1	12/01	Forssmann et al.	435	24	
	A19	6,326,164 B1	12/01	Rice et al.	435	25	
	A20	6,344,322 B1	02/02	Polyak et al.	435	6	
	A21	6,350,588 B1	02/02	Roth et al.	435	34	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
								YES NO
	A22	WO 86/03006 A1	05/86	WO				

## OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

A23	Nicholson, J.K. et al. 'Metabonomics': understanding the metabolic responses of living systems to pathophysiological stimuli via multivariate statistical analysis of biological NMR spectroscopic data. <i>Xenobiotica</i> 1999 Nov;29(11):1181-9		
A24	Trethewey, R.N. et al. Commentary. Metabolic profiling: a Rosetta Stone for genomics? <i>Current Opinion in Plant Biology</i> March 1999;2:83-85		
A25	"Biochemicals Organic Compounds and Diagnostic Reagents." In <u>Sigma Catalog "anonymous"</u> . 1996, p.253		
Examiner		Date Considered	
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			



APPLICANT FACSIMILE OF FORM PTO-1449 REV 7-80	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO <b>MBZ-001CN</b>	SERIAL NO. <b>10757616</b>
LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT <b>Kaddurah-Daouk, R. et al.</b>	
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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	B1	WO 92/13273 A1	08/92	WO				
	B2	WO 93/10802 A1	06/93	WO			Abstr.	
	B3	WO 96/23075 A1	08/96	WO				
	B4	WO 98/29563 A1	07/98	WO				
	B5	WO 98/37423 A1	08/98	WO				
	B6	WO 99/27361 A1	06/99	WO				
	B7	WO 99/37786 A2, A3	07/99	WO				
	B8	WO 99/38013 A2	07/99	WO			Abstr.	
	B9	WO 99/44062 A1	09/99	WO				
	B10	WO 99/50437 A1	10/99	WO				
	B11	WO 00/07025 A2, A3	02/00	WO				
	B12	WO 00/09759 A1	02/00	WO				
	B13	WO 00/51054 A1	08/00	WO				
	B14	WO 00/55346 A2, A3	09/00	WO				
	B15	WO 00/65039 A2, A3	11/00	WO				
	B16	WO 00/65472 A1	11/00	WO				
	B17	WO 01/00819 A1	01/01	WO				
	B18	WO 01/09341 A2, A3	02/01	WO				
	B19	WO 01/09711 A2	02/01	WO				
	B20	WO 01/18627 A2, A3	03/01	WO				
	B21	WO 01/23330 A2	04/01	WO				
	B22	WO 01/23601 A2, A3	04/01	WO				
	B23	WO 01/26038 A1	04/01	WO				
	B24	WO 01/40896 A2, A3	06/01	WO				
	B25	WO 01/55701 A1	08/01	WO				
	B26	WO 01/57518 A2	08/01	WO				
	B27	WO 01/69247 A2, A3	09/01	WO				
	B28	WO 01/73672 A2	10/01	WO				
	B29	WO 01/79515 A2	10/01	WO				
	B30	WO 01/84146 A2, A3	11/01	WO				
	B31	WO 02/04945 A1	01/02	WO				
	B32	WO 02/04957 A2	01/02	WO				

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